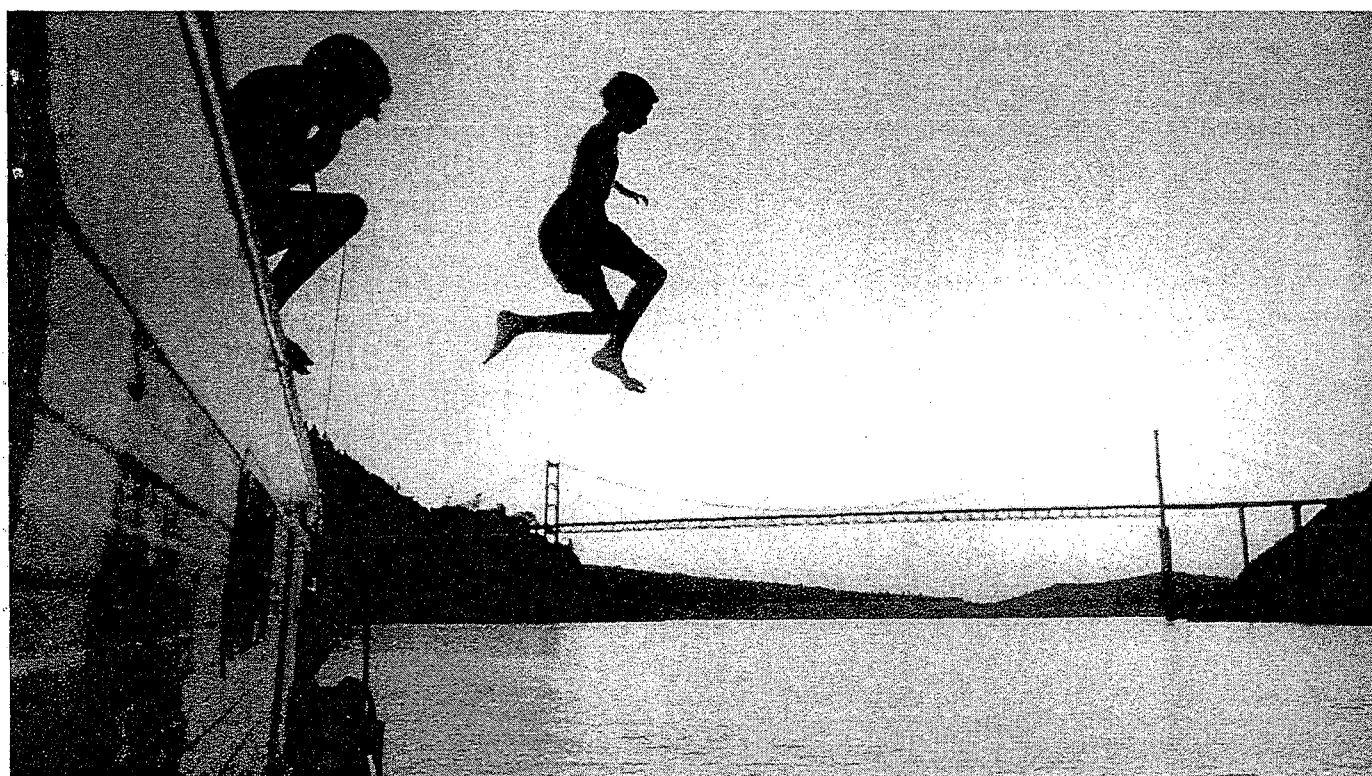


# Management of the California State Water Project



## Appendix D

### Costs of Recreation and Fish and Wildlife Enhancement

PETE WILSON, *Governor* STATE OF CALIFORNIA

DOUGLAS P. WHEELER, *Secretary for Resources* THE RESOURCES AGENCY

DAVID N. KENNEDY, *Director* DEPARTMENT OF WATER RESOURCES

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Department of Water Resources  
Bulletin 132-94

Management of the  
California State  
Water Project

Appendix D  
Costs of Recreation  
and Fish and Wildlife Enhancement

September 1997

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Pete Wilson  
Governor  
State of California

Douglas P. Wheeler  
Secretary for Resources  
The Resources Agency

David N. Kennedy  
Director  
Department of Water Resources

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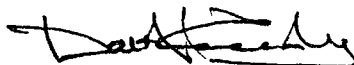
## Foreword

The Davis-Dolwig Act (Sections 11900-11925 of the California Water Code) declares that providing for the enhancement of fish and wildlife and for recreation in connection with State water projects benefits all the people of California and that the costs attributable to such enhancement should be borne by them. The Act also provides a procedure through which the Department of Water Resources will be reimbursed for those project costs that are allocated to recreation and fish and wildlife enhancement and for costs of acquiring property for recreation development. The Department is to report such expenditures to the Legislature annually.

This constitutes the Department's 1994 report to the Legislature in compliance with the above requirement. An increase of \$3,349,727 for recreation and fish and wildlife enhancement is reported herein. The increase consists of \$3,334,490 for joint capital costs of the State Water Project allocated to recreation and fish and wildlife enhancement, and \$15,237 for specific recreation land costs. The increase is the net result of costs incurred for the 1993 calendar year and adjustments to historical expenditures.

Prior to 1991, the Department received \$90,000,000 in reimbursements from the State's tideland oil and gas revenues, which were authorized specifically for costs of recreation and fish and wildlife enhancement (Public Resources Code Section 6217).

Since 1991, the Department has been reimbursed for costs reported in this appendix under the provisions of AB 1442. This legislation offsets moneys owed the California Water Fund by the State Water Project with reimbursements owed the project by the General Fund through June 30, 1988, for recreation and fish and wildlife enhancement costs in the amount of \$172,291,000. Of this amount, \$155,087,000 is for capital expenditures reported herein. Future Davis-Dolwig expenditures will be offset against State Water Project obligations to the California Water Fund until those obligations are repaid.



David N. Kennedy  
Director

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State of California  
Pete Wilson, Governor

The Resources Agency  
Douglas P. Wheeler, Secretary for Resources

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State of California  
The Resources Agency  
Department of Water Resources

CALIFORNIA WATER COMMISSION

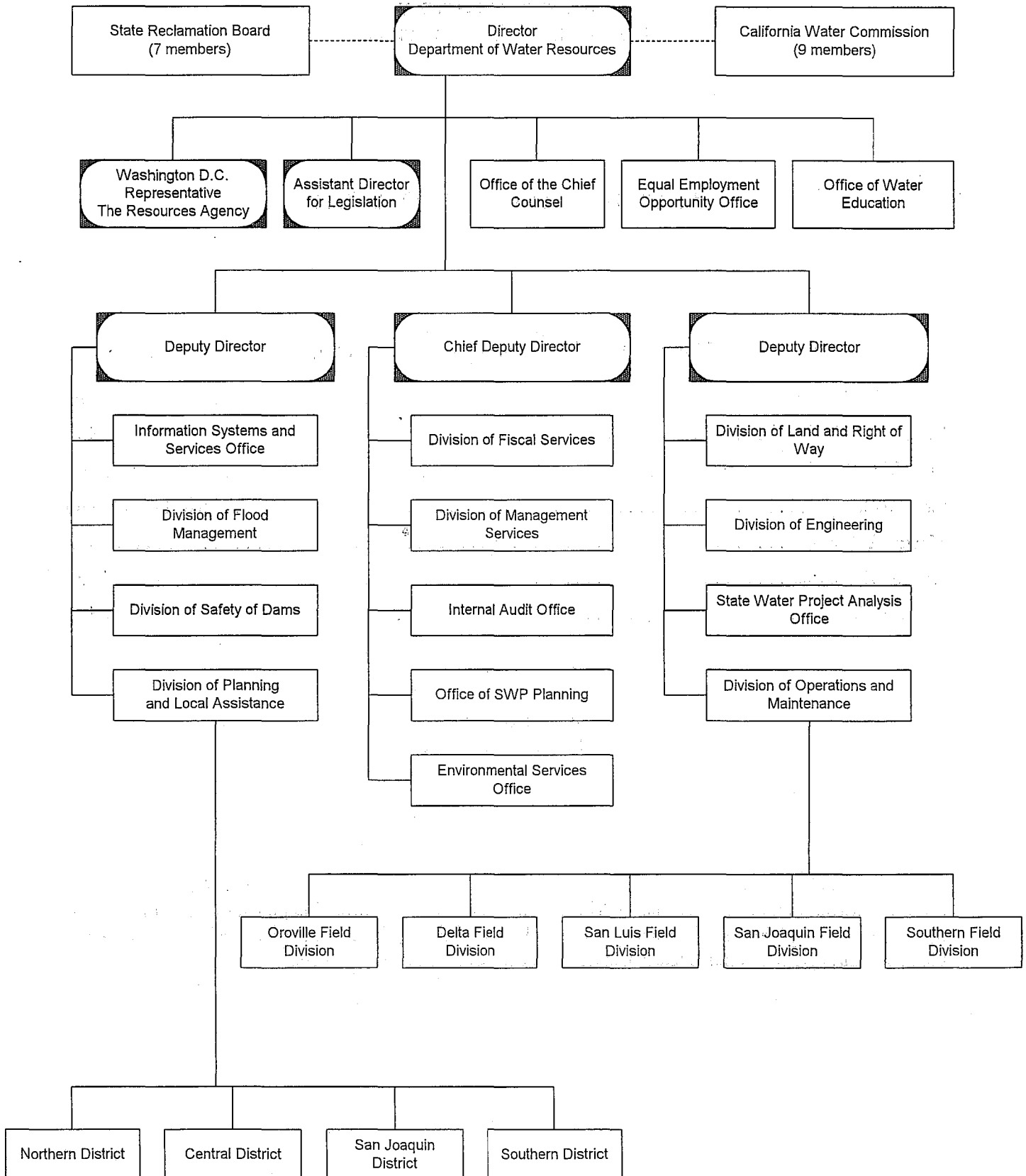
Daniel F. Kriege, Chairman, Capitola  
Michael D. Madigan, Vice-Chairman, San Diego

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Martin A. Matich ..... San Bernardino  
Audrey Z. Tennis ..... Forest Ranch  
Larry Zarian ..... Glendale

Executive Officer  
Raymond E. Barsch

The California Water Commission serves as a policy advisory body to the Director of Water Resources on all California water resources matter. The nine-member citizen commission provides a water resources forum for the people of the State, acts as a liaison between the legislative and executive branches of State Government, and coordinates federal, state, and local water resources efforts.

# Organization of the Department of Water Resources



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# Reporting of Recreation and Fish and Wildlife Enhancement Costs

Section 11912 of the California Water Code assigns to the Department of Water Resources the following responsibilities:

*It shall be the duty of the Department to report annually to the Legislature the costs, if any, which the Department has allocated to recreation and fish and wildlife enhancement for each facility of any state water project. The Department shall also report to the Legislature any revisions which the Department makes in such allocations.*

*The Department shall submit each such cost allocation to the Department of Boating and Waterways, the Department of Parks and Recreation, and to the Department of Fish and Game. The Department of Boating and Waterways, the Department of Parks and Recreation, and the Department of Fish and Game shall file with the Department of Water Resources their written comments with respect to each such cost allocation, which written comments shall be included in the report required by this section.*

*It shall also be the duty of the Department to report to the Legislature on any expenditure of funds for acquiring rights-of-way, easements and property pursuant to Section 346 for recreation development associated with such facilities.*

This appendix is the Department's 1994 report, as required by Section 11912 of the California Water Code.

For brevity, "fish and wildlife enhancement" is hereafter referred to as "enhancement." The Department's cost allocations treat recreation and enhancement as one combined purpose of the State Water Project.

## Report Organization

Capital costs of SWP facilities allocated by the Department to recreation and enhancement, through December 31, 1993, are shown in Table 1, pages 2 and 3. Table 1 also shows the expenditures for acquiring rights of way, easements, and property for recreation development associated with such facilities. Table 2, pages 6 and 7, details the accrued interest charges through June 30, 1988, included in the costs shown in Table 1. Interest accruals terminate in 1988 in compliance with the offset Legislation. Table 2 also details reimbursements through December 31, 1993.

The notes to Table 1, pages 4 and 5, explain DWR's procedures for reporting recreation and enhancement costs, describe how the amounts shown in the table are calculated, and reconcile significant changes from costs shown in previous reports.

The costs shown in Table 1 do not reflect new or revised allocations for any facility of the SWP. The derivation of allocation percentages indicated for joint capital costs of those multipurpose facilities listed in the upper portion of Table 1 have been described in previous reports. Copies of those reports are available upon request to DWR.

A summary of allocation percentages is shown in a separate table, along with illustrative allocation percentages for facilities not yet reported.

Included at the end of this report are comments by the Department of Boating and Waterways, the Department of Parks and Recreation, and the Department of Fish and Game.

**TABLE 1. RECREATION AND ENHANCEMENT**

(Reported to the California Legislature in  
(in

	1952-1980	1981	1982	1983	1984	1985	1986	1987
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
<b>Joint Capital Costs Allocated to</b>								
Frenchman Dam and Lake (78.5%)								
California Water Resources Development Bond Fund	102,997	0	0	0	0	0	0	0
All Other Funds	2,513,554	13,705	69,404	64,497	2,489	39,556	4,700	1,724
Subtotal	2,616,551	13,705	69,404	64,497	2,489	39,556	4,700	1,724
Antelope Dam and Lake (100%)								
California Water Resources Development Bond Fund	1,036,428	0	0	0	0	0	0	0
All Other Funds	4,043,433	4,516	88,787	42,172	47,466	85,010	21,299	9,752
Subtotal	5,079,861	4,516	88,787	42,172	47,466	85,010	21,299	9,752
Grizzly Valley Dam and Lake Davis (99.0%)								
California Water Resources Development Bond Fund	4,003,092	0	0	0	0	0	0	0
All Other Funds	935,448	10,325	51,133	27,800	21,533	8,250	14,853	125,952
Subtotal	4,938,540	10,325	51,133	27,800	21,533	8,250	14,853	125,952
San Luis Dam and Reservoir O'Neill Forebay and Los Banos Reservoir (3.4%)								
California Water Resources Development Bond Fund	2,029,715	(1,601)	(35,547)	(45,040)	(58,351)	(12,381)	(3,407)	(17,096)
All Other Funds	1,398,955	8,946	284,065	138,767	64,688	28,385	23,555	261,864
Subtotal	3,428,670	7,345	248,518	93,727	6,337	16,004	20,148	244,768
California Aqueduct Delta to Dos Amigos P.P. (3.4%)								
California Water Resources Development Bond Fund	4,467,667	0	0	0	0	0	0	0
All Other Funds	897,772	194,179	140,620	52,824	84,414	39,114	25,397	47,761
Subtotal	5,365,439	194,179	140,620	52,824	84,414	39,114	25,397	47,761
Oroville Division (2.9%)								
California Water Resources Development Bond Fund	5,725,291	(28)	(28)	(9)	0	0	0	(9)
All Other Funds	4,107,559	20,859	19,372	23,003	22,387	21,176	61,618	15,700
Subtotal	9,832,850	20,830	19,344	22,994	22,387	21,176	61,618	15,691
Del Valle Dam and Lake Del Valle (48.0%)								
California Water Resources Development Bond Fund	10,546,762	0	0	0	0	0	0	0
All Other Funds	2,375,793	23,946	25,740	79,014	165,408	44,649	17,771	40,924
Subtotal	12,922,555	23,946	25,740	79,014	165,408	44,649	17,771	40,924
California Aqueduct Dos Amigos P.P. to Termini (5.7%)								
California Water Resources Development Bond Fund	48,624,459	2,697	59,593	19,760	22,363	463	(3,129)	(20,113)
All Other Funds	31,580,397	1,978,641	3,193,380	2,310,318	1,446,755	803,256	521,333	387,765
Subtotal	80,204,856	1,981,338	3,252,973	2,330,078	1,469,118	803,719	518,204	367,652
<b>TOTAL</b>	<b>124,389,322</b>	<b>2,256,184</b>	<b>3,896,519</b>	<b>2,713,106</b>	<b>1,819,152</b>	<b>1,057,478</b>	<b>883,990</b>	<b>854,224</b>
<b>Specific Costs of Acquiring</b>								
Frenchman Dam and Lake								
California Water Resources Development Bond Fund	3,379	0	0	0	0	0	0	0
All Other Funds	49,947	0	0	0	0	0	0	0
Subtotal	53,326	0	0	0	0	0	0	0
Grizzly Valley Dam and Lake Davis								
California Water Resources Development Bond Fund	204,116	0	0	0	0	0	0	0
All Other Funds	64,812	76,931	451,796	2,792	(203,509)	1,216	19,984	9,185
Subtotal	268,928	76,931	451,796	2,792	(203,509)	1,216	19,984	9,185
Abbey Bridge Dam and Reservoir								
California Water Resources Development Bond Fund	9	0	0	0	0	0	0	0
All Other Funds	9,921	0	0	0	0	0	0	0
Subtotal	9,930	0	0	0	0	0	0	0
San Luis Dam and Reservoir O'Neill Forebay and Los Banos Reservoir								
California Water Resources Development Bond Fund	395,284	0	0	0	0	0	0	0
All Other Funds	266,961	107	278	187	40	817	44,032	43,422
Subtotal	662,245	107	278	187	40	817	44,032	43,422
California Aqueduct Delta to Dos Amigos P.P.								
California Water Resources Development Bond Fund	461,086	0	0	0	0	0	0	0
All Other Funds	176,311	11,275	44,919	12,828	(55,443)	(44,376)	(77,137)	(54,566)
Subtotal	637,397	11,275	44,919	12,828	(55,443)	(44,376)	(77,137)	(54,566)
Oroville Division								
California Water Resources Development Bond Fund	7,809,709	(88)	(86)	(26)	0	0	0	0
All Other Funds	442,468	1,033	20,170	-41,068	174,752	879	1,779	12,113
Subtotal	8,252,177	945	20,084	41,042	174,752	879	1,779	12,113
Del Valle Dam and Lake Del Valle								
California Water Resources Development Bond Fund	519,425	0	0	0	0	0	0	0
All Other Funds	(36,157)	314	292	499	437	953	931	531
Subtotal	483,268	314	292	499	437	953	931	531
California Aqueduct Dos Amigos P.P. to Termini								
California Water Resources Development Bond Fund	478,971	0	0	0	0	0	0	0
All Other Funds	489,910	3,826	(11,992)	(13,190)	1,272	(5,007)	(5,658)	(6,401)
Subtotal	968,881	3,826	(11,992)	(13,190)	1,272	(5,007)	(5,658)	(6,401)
Castaic Dam and Lake								
California Water Resources Development Bond Fund	1,954,297	0	0	0	0	0	0	0
All Other Funds	928,600	9,145	3,357	6,132	510	564	0	0
Subtotal	2,882,897	9,145	3,357	6,132	510	564	0	0
Cedar Springs Dam and Silverwood Lake								
California Water Resources Development Bond Fund	424,966	0	0	0	0	0	0	0
All Other Funds	341,129	3,144	7,529	3,240	885	1,191	1,547	1,452
Subtotal	766,095	3,144	7,529	3,240	885	1,191	1,547	1,452
Perris Dam and Lake Perris								
California Water Resources Development Bond Fund	1,022,313	0	0	0	0	0	0	0
All Other Funds	4,940,258	0	(279)	0	0	0	0	0
Subtotal	5,962,571	0	(279)	0	0	0	0	0
<b>TOTAL</b>	<b>20,947,715</b>	<b>105,687</b>	<b>515,984</b>	<b>53,530</b>	<b>(81,056)</b>	<b>(43,763)</b>	<b>(14,522)</b>	<b>5,736</b>
<b>Total Recreation and Enhancement Costs</b>	<b>89,809,966</b>	<b>979</b>	<b>23,932</b>	<b>(25,315)</b>	<b>(35,988)</b>	<b>(11,918)</b>	<b>(6,536)</b>	<b>(37,218)</b>
California Water Resources Development Bond Fund	55,527,071	2,360,892	4,388,571	2,791,951	1,774,084	1,025,633	676,004	897,178
All Other Funds								
<b>GRAND TOTAL</b>	<b>145,337,037</b>	<b>2,361,871</b>	<b>4,412,503</b>	<b>2,766,636</b>	<b>1,738,096</b>	<b>1,013,715</b>	<b>669,468</b>	<b>859,960</b>



# COST OF THE STATE WATER PROJECT (a (b

Response to Water Code Section 11912)  
dollars)

1988	1989	1990	1991	1992	1993	TOTAL	INTEREST	TOTAL	PREVIOUS	INCREASE
[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
<b>Recreation and Enhancement: (c</b>										
0	0	0	0	0	0	102,997	1,903	104,900	104,900	0
2,931	1,084	2,550	1,230	531	1,086	2,719,041	0	2,719,041	2,723,552	(4,511)
2,931	1,084	2,550	1,230	531	1,086	2,822,038	1,903	2,823,941	2,828,452	(4,511)
0	0	0	0	0	434	1,036,862	103,939	1,140,801	1,140,367	434
4,396	20,279	31,862	35,408	42,236	11,189	4,487,805	0	4,487,805	4,480,104	7,701
4,396	20,279	31,862	35,408	42,236	11,623	5,524,667	103,939	5,628,606	5,620,471	8,135
0	0	0	0	0	0	4,003,092	441,502	4,444,594	4,444,594	0
1,130,806	97,855	2,191	137,041	3,218	1,757	2,568,162	0	2,568,162	2,574,704	(6,542)
1,130,806	97,855	2,191	137,041	3,218	1,757	6,571,254	441,502	7,012,756	7,019,298	(6,542)
(14,471)	(126,191)	(14,216)	(6,017)	(1,330)	(3,149)	1,690,918	297,081	1,987,999	1,992,467	(4,468)
52,308	29,952	31,627	256,536	(7,441)	54,027	2,626,234	0	2,626,234	2,543,873	82,361
37,837	(96,239)	17,411	250,519	(8,771)	50,878	4,317,152	297,081	4,614,233	4,536,340	77,893
0	0	0	0	0	0	4,467,667	799,684	5,267,351	5,267,351	0
140,208	380,487	814,835	722,554	352,741	152,491	4,045,397	0	4,045,397	3,809,038	236,359
140,208	380,487	814,835	722,554	352,741	152,491	8,513,064	799,684	9,312,748	9,076,389	236,359
0	0	0	0	0	0	5,725,216	1,835,409	7,560,625	7,560,625	0
21,177	55,139	50,877	42,526	31,594	53,289	4,546,276	0	4,546,276	4,287,209	259,067
21,177	55,139	50,877	42,526	31,594	53,289	10,271,492	1,835,409	12,106,901	11,847,834	259,067
0	0	0	0	0	0	10,546,762	5,953,867	16,500,629	16,500,629	0
38,067	20,890	67,573	38,763	69,415	60,305	3,068,258	0	3,068,258	2,926,857	141,401
38,067	20,890	67,573	38,763	69,415	60,305	13,615,020	5,953,867	19,568,887	19,427,486	141,401
(27,145)	(9,319)	(23,060)	(9,277)	(10,431)	2,188	48,629,049	67,880,190	116,509,239	116,504,477	4,762
462,754	1,358,767	795,048	993,189	2,000,805	2,106,410	49,938,818	0	49,938,818	47,320,892	2,617,926
435,609	1,349,448	771,988	983,912	1,990,374	2,108,598	98,567,867	67,880,190	166,448,057	163,825,369	2,622,688
1,811,031	1,828,943	1,759,287	2,211,953	2,481,338	2,440,027	150,202,554	77,313,575	227,516,129	224,181,639	3,334,490
<b>Land for Recreation Development: (d</b>										
0	0	0	0	0	0	3,379	141	3,520	3,520	0
0	0	0	0	0	0	49,947	0	49,947	49,947	0
0	0	0	0	0	0	53,326	141	53,467	53,467	0
0	0	0	0	0	434	204,550	15,948	220,498	220,064	434
38	19,037	27,712	33,577	41,265	9,407	554,243	0	554,243	539,439	14,804
38	19,037	27,712	33,577	41,265	9,841	758,793	15,948	774,741	759,503	15,238
0	0	0	0	0	0	9	0	9	9	0
0	0	0	0	0	0	9,921	0	9,921	9,921	0
0	0	0	0	0	0	9,930	0	9,930	9,930	0
0	0	0	0	0	0	395,284	30,416	425,700	425,700	0
40,029	19,605	132	0	0	0	415,610	0	415,610	415,610	0
40,029	19,605	132	0	0	0	810,894	30,416	841,310	841,310	0
0	0	0	0	0	0	461,086	142,801	603,887	603,887	0
(41,783)	(47,391)	(53,752)	(8,438)	0	0	(137,553)	0	(137,553)	(137,553)	0
(41,783)	(47,391)	(53,752)	(8,438)	0	0	323,533	142,801	466,334	466,334	0
0	0	0	0	0	0	7,809,509	3,246,345	11,055,854	11,055,854	0
(8,998)	590	(386)	(35,703)	0	0	649,765	0	649,765	649,765	0
(8,998)	590	(386)	(35,703)	0	0	8,459,274	3,246,345	11,705,619	11,705,619	0
0	0	0	0	0	0	519,425	397,653	917,078	917,078	0
0	0	0	0	0	0	(32,200)	0	(32,200)	(32,200)	0
0	0	0	0	0	0	487,225	397,653	884,878	884,878	0
0	0	0	0	0	0	478,971	350,373	829,344	829,344	0
(7,309)	(47,102)	0	0	0	0	398,349	0	398,349	398,349	0
(7,309)	(47,102)	0	0	0	0	877,320	350,373	1,227,693	1,227,693	0
0	0	0	0	0	0	1,954,297	1,585,943	3,540,240	3,540,240	0
1,139	772	851	1,255	0	0	952,325	0	952,325	952,325	0
1,139	772	851	1,255	0	0	2,906,622	1,585,943	4,492,565	4,492,565	0
0	0	0	0	0	0	424,966	347,376	772,342	772,342	0
3,405	4,571	2,044	49	0	0	370,185	0	370,185	370,187	(1)
3,405	4,571	2,044	49	0	0	795,152	347,376	1,142,528	1,142,529	(1)
0	0	0	0	0	0	1,022,313	948,429	1,970,742	1,970,742	0
0	0	0	0	0	0	4,939,979	0	4,939,979	4,939,979	0
0	0	0	0	0	0	5,962,292	948,429	6,910,721	6,910,721	0
(13,479)	(48,918)	(23,399)	(9,260)	41,265	9,841	21,444,361	7,065,425	28,509,786	28,494,549	15,237
(41,616)	(135,510)	(37,276)	(15,294)	(11,761)	(93)	89,476,352	84,379,000	173,855,352	173,854,190	1,162
1,839,168	1,914,535	1,773,164	2,217,987	2,534,364	2,449,961	82,170,563	0	82,170,563	78,821,998	3,348,565
1,797,552	1,779,025	1,735,888	2,202,693	2,522,603	2,449,868	171,646,915	84,379,000	256,025,915	252,676,168	3,349,727

**Notes to Table 1, Pages 2 and 3**

a) AB 1442 (Statutes of 1989, Chapter 716) cancels (1) specified obligations of the General Fund to reimburse the State Water Project in the amount of \$172,291,000 for fish and wildlife enhancement and recreation and (2) the obligation of the project to reimburse the California Water Fund in an equal amount. AB 1442 also provides for automatic offset, upon approval by the Legislature, of future Davis-Dolwig expenditures against the remaining State Water Project debt to the California Water Fund.

b) Recreation and enhancement costs refer only to (1)

multipurpose facility capital costs allocated to recreation, and (2) the capital costs of lands acquired for associated recreation development. These costs are budgeted by DWR from funds that are available for financing Project construction costs.

Recreation and enhancement costs not reported in Table 1 are budgeted by several State departments. These costs, financed by appropriations from a variety of funds, are summarized in the following table.

Type of Recreation and Enhancement Costs Not Reported in Table 1	General Fund Appropriations, Unless Otherwise Noted		
	1994-95 (a)	1993-94 (b)	Total (c 1962-63 thru 1994-95)
Allocated operation, maintenance, power, and replacement costs of multipurpose facilities	0 (d)	0 (d)	17,204,000
Capital costs of recreation developments	2,291,000	429,000	107,933,00 (e(f
Operation, maintenance, and replacement costs of recreation developments	10,604,000	10,224,000	147,831,000 (g)
<p>a) Amount in Governor's budget.  b) 1993-94 budgeted amount.  c) Actual through 1992-93 plus a) and b).  d) No SWP operation and maintenance costs appropriated  e) Amounts from State recreation bond funds and other State and Federal recreation funds.  f) Includes \$1,236,000 from the Harbors and Watercraft Revolving Fund, and \$200,000 directly from the Highway Users Tax.  g) Operation, maintenance, and replacement costs are budgeted by the Department of Parks and Recreation; boating facility costs are budgeted by the Department of Boating and Waterways; and enhancement development costs are budgeted by the Department of Fish and Game.</p>			

Allocated operation, maintenance, power, and replacement (OMP&R) costs of multipurpose facilities are budgeted by DWR and financed by annual appropriations from the State General Fund. Capital costs (other than land acquisition costs), along with OMP&R costs of recreation facilities, are budgeted by the Department of Parks and Recreation. However, the costs of constructing boating facilities are budgeted by the Department of Boating and Waterways, and the costs of enhancement developments are budgeted by the Department of Fish and Game.

c) Joint capital costs allocated to recreation and enhancement are based on DWR's derivation, for each multipurpose facility, of the percentages of the total joint costs attributable to each included purpose. These derivations are based on the application of conventional cost allocation methods that weigh the estimated costs to be incurred and the benefits to be realized during a 50-year period of analysis. Allocated costs reflect the application of these percentages to the actual capital costs incurred for each

facility, as accounted by DWR. Costs allocated to recreation and enhancement generally are first reported in the year after that year when construction of a facility is completed. Those Costs may be subsequently changed either by adjusting accounted capital costs or by revising allocation percentages.

d) Specific costs of acquiring land for recreation development are incurred by DWR under the authority of California Water Code Section 346. DWR purchases recreation land concurrently with other lands needed for multipurpose facilities to (1) decrease the total land costs of the Project, and (2) acquire property in an orderly manner. Recreation lands acquired for each Project facility through September 30, 1993, are shown in the table on the next page.

Summary of Recreation Land Acquisitions (a) (in acres)			
Project Facility	Acquired (b)	Federal Lands (c)	Total
Frenchman Lake	719	0	719
Antelope Lake	1,361	0	1,361
Lake Davis	733	0	733
San Luis Reservoir and O'Neill Forebay	2,518	0	2,518
Oroville Division	3,497	212	3,709
Lake Del Valle	1,206	0	1,206
California Aqueduct (excluding reservoirs)	1,639	0	1,639
Castaic Lake	1,733	577	2,310
Silverwood Lake	305	0	305
Lake Perris	4,012	0	4,127
Total	17,723	789	18,627
a) Includes recreation lands for only those projects with an established recreation land use and acquisition plan. b) Costs of acquiring these lands are shown in Table; additional land needs are to be identified by future studies. c) These lands are being leased from the federal government at a nominal cost to the State.			

DWR reports the annual expenditure of Project funds for acquiring all recreation land in the year following the expenditure. The costs of such lands generally are established when acquired and are not affected by the allocation percentages for the associated multipurpose Project facility. However, the reported costs of certain lands may be subsequently revised due to (1) receipt of certain revenues (such as federal grants and income from rights of way sales), or (2) modification of the recreation land use plan.

The amounts to be reported in future years will include credits for any reduction in previously reported costs, together with interest income thereon. If recreation land is reclassified as multipurpose project land, the original purchase price, together with appropriate interest income, will be reported as a negative expenditure for specific land costs, and an appropriate amount will be added to joint capital costs allocated to recreation and enhancement for the associated facility.

The costs of acquiring recreation land also include the salaries of DWR personnel engaged in recreation land acquisition activities, together with indirect costs distributed on the basis of direct salaries.

- e) Interest accruals are calculated as shown in Table 2 (pages 6 and 7). Interest charges are accrued through June 30, 1988 only on the portion of annual disbursements financed by

the California Water Resources Development Bond Fund. Calculations are based on the weighted average interest costs of Burns-Porter and Water System Revenue bonds sold to date (4.613 percent for the bonds outstanding on June 30, 1988).

DWR has sold Water System Revenue Bonds to finance additional multipurpose facilities. Interest accruals reported in Table 2 include a portion of the interest costs of these revenue bonds. This rate differs from the "Project Interest Rate" under SWP water supply contracts, in that interest costs on power revenue bond sales are not included.

Through fiscal year 1987-88, a total of \$90 million had been reimbursed to DWR from the State's tideland oil and gas revenues, authorized by California Statutes of 1966, First Extraordinary Session, Chapter 27.

AB 1442, the "Offset Legislation" enacted in September 1989, was effective January 1, 1990. Under the Offset Legislation, interest accruals on California Water Resources Development Bond Fund expenditures were terminated on June 30, 1988. This legislation provides for a lump sum reimbursement to DWR for recreation and wild life enhancement expenditures through June 30, 1988, and offsets moneys owed the California Water Fund by the SWP in the amount of \$172,291,000. Of this amount, \$155,087,000 is

**Table 2. Reimbursement of Interest Accruals on California  
and Reimbursement of**

		(in dollars)								
		Joint Capital Costs Allocated to Recreation and Enhancement at								
Year	Item	Frenchman Dam and Lake	Antelope Dam and Lake	Grizzly Valley Dam and Lake Davis	SISK Dam, San Luis Res. O'Neill Forebay & Los Banos Reservoir	California Aqueduct Delta to Dos Amigos P.P.	Oroville Division	Del Valle Dam and Lake Del Valle	California Aqueduct Dos Amigos P.P. to Termini	Total
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
1952-1990 Disbursements:										
	1. Calif. Water Resources Development Bond Fund	102,997	1,036,428	4,003,092	1,699,056	4,467,667	5,725,216	10,546,762	48,650,534	76,231,752
	2. All Other Funds	2,715,432	4,397,770	2,424,967	2,333,652	2,801,257	4,416,510	2,897,871	44,817,327	66,804,786
Reimbursements:										
	1. Calif. Water Resources Development Bond Fund	104,900	1,140,367	4,444,594	2,254,713	5,267,351	7,560,634	16,500,629	5,864,224	43,137,412
	2. All Other Funds	2,703,205	4,311,384	1,054,489	1,920,248	1,420,738	4,177,789	2,711,237	0	18,299,090
	Interest Accruals	1,903	103,939	441,502	297,081	799,684	1,835,409	5,953,867	67,880,190	77,313,575
1991 Beginning of Year Balance to be Reimbursed:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(258,576)	0	(9)	0	110,666,500	110,407,915
	2. All Other Funds	12,227	86,386	1,370,478	413,404	1,380,519	238,721	186,634	44,817,327	48,505,696
Disbursements During Year:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(6,015)	0	0	0	(9,280)	(15,295)
	2. All Other Funds	1,223	35,398	137,030	256,521	722,536	42,506	38,748	993,022	2,226,984
Reimbursements per Offset Legislation - AB 1442 /1										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(29,921)	0	(9)	0	110,811,464	110,781,534
	2. All Other Funds	19,888	124,979	1,504,791	542,912	2,070,090	101,618	201,936	45,621,789	50,288,003
End-of-Year Balance:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(234,670)	0	0	0	(154,244)	(388,914)
	2. All Other Funds	(6,438)	(3,195)	2,717	27,013	32,965	179,609	23,446	188,560	444,677
1992 Beginning of Year Balance to be Reimbursed:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(234,670)	0	0	0	(154,244)	(388,914)
	2. All Other Funds	(6,438)	(3,195)	2,717	27,013	32,965	179,609	23,446	188,560	444,677
Disbursements During Year:										
	1. Calif. Water Resources Development Bond Fund	0	(45)	0	(607)	0	0	0	(11,589)	(12,241)
	2. All Other Funds	507	42,198	3,182	(12,800)	345,122	27,967	67,825	1,944,828	2,418,829
Reimbursements per Offset Legislation - AB 1442 /1										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(232,325)	0	0	0	(171,211)	(403,536)
	2. All Other Funds	459	43,741	15,424	(19,287)	318,210	7,802	13,684	1,699,103	2,079,136
End-of-Year Balance:										
	1. Calif. Water Resources Development Bond Fund	0	(45)	0	(2,952)	0	0	0	5,378	2,381
	2. All Other Funds	(6,390)	(4,738)	(9,525)	33,500	59,877	199,774	77,587	434,285	784,370
1993 Beginning of Year Balance to be Reimbursed:										
	1. Calif. Water Resources Development Bond Fund	0	(45)	0	(2,952)	0	0	0	5,378	2,381
	2. All Other Funds	(6,390)	(4,738)	(9,525)	33,500	59,877	199,774	77,587	434,285	784,370
Disbursements During Year:										
	1. Calif. Water Resources Development Bond Fund	0	404	0	(3,154)	0	0	0	2,227	(523)
	2. All Other Funds	859	10,819	1,392	55,017	156,329	55,371	65,964	2,116,776	2,462,527
Reimbursements per Offset Legislation - AB 1442 /1										
	1. Calif. Water Resources Development Bond Fund	0	434	0	(4,468)	0	0	0	4,762	728
	2. All Other Funds	(4,511)	7,701	(6,542)	82,361	236,359	259,067	141,401	2,617,926	3,333,762
End-of-Year Balance:										
	1. Calif. Water Resources Development Bond Fund	0	(75)	0	(1,638)	0	0	0	2,843	1,130
	2. All Other Funds	(1,020)	(1,620)	(1,591)	6,156	(20,153)	(3,922)	2,150	(66,865)	(66,865)
1994 Beginning of Year Balance to be Reimbursed:										
	1. Calif. Water Resources Development Bond Fund	0	(75)	0	(1,638)	0	0	0	2,843	1,130
	2. All Other Funds	(1,020)	(1,620)	(1,591)	6,156	(20,153)	(3,922)	2,150	(66,865)	(66,865)
Disbursements During Year:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	(6,086)	0	0	0	10,273	4,187
	2. All Other Funds	1,142	1,681	1,634	95,132	92,768	29,209	61,085	1,397,729	1,680,400
Reimbursements per Offset Legislation - AB 1442 /1										
	1. Calif. Water Resources Development Bond Fund	0	(75)	0	(7,724)	0	0	0	13,116	5,317
	2. All Other Funds	122	61	43	101,288	72,635	25,287	63,235	1,330,864	1,593,535
End-of-Year Balance:										
	1. Calif. Water Resources Development Bond Fund	0	0	0	0	0	0	0	0	0
	2. All Other Funds	0	0	0	0	0	0	0	0	0
TOTAL ALL YEARS										
Disbursements:										
	1. Calif. Water Resources Development Bond Fund	102,997	1,036,787	4,003,092	1,683,194	4,467,667	5,725,216	10,546,762	48,642,165	76,207,880
	2. All Other Funds	2,719,163	4,487,856	2,568,205	2,727,522	4,118,032	4,571,563	3,131,493	51,269,682	75,593,526
	TOTAL	2,822,160	5,524,653	6,571,297	4,410,716	8,585,699	10,296,779	13,678,255	99,911,847	151,801,406
Reimbursements:										
	1. Calif. Water Resources Development Bond Fund	104,900	1,140,726	4,444,594	2,010,196	5,267,351	7,560,634	16,500,629	5,710,891	42,739,921
	2. All Other Funds	2,699,275	4,362,887	1,063,414	2,084,610	2,047,942	4,469,945	2,929,557	5,647,893	25,305,523
	TOTAL	2,804,175	5,503,613	5,508,008	4,094,806	7,315,293	12,030,579	19,430,186	11,358,784	68,045,444
TOTAL INTEREST ACCRUALS 1952 THROUGH 1998		1,903	103,939	441,502	297,081	799,684	1,835,409	5,953,867	67,880,190	77,313,575

1/ AB 1442, the "Offset Legislation", in part, added Section 12929.13 to the California Water Code. Section 7(c) of Section 12929.13 provides \$155,087,000 for unreimbursed expenditures incurred through June 30, 1988. AB 1442 also provides for continued offset of subsequent years expenditures in amended Section 11913(b). Subsequent offsets are: July 1, 1988 - December 31, 1990 \$3,886,193, January 1, 1991 - December 31, 1991 \$1,984,531; and January 1, 1992 - December 31, 1992 \$1,718,464, January 1 - December 31, 1993 \$3,349,727, January 1, 1994 - December 31, 1994 \$1,598,746.

# Water Resources Development Bond Fund Disbursements

## Expenditures from all Funds

@4.613% per annum through 6/88)

Specific Costs of Acquiring Land for Recreation Development												
Frenchman Dam and Lake	Grizzly Valley Dam and Lake Davis	Abbey Bridge Dam and Reservoir	Sisk Dam, San Luis Res. O'Neill Forebay & Los Banos Reservoir	California Aqueduct Delta to Dos Amigos P.P.	Oroville Division	Del Valle Dam and Lake Del Valle	California Aqueduct Dos Amigos P.P. to Termini	Castiac Dam and Lake	Cedar Springs Dam and Silverwood Lake	Perris Dam and Lake Perris	Total	GRAND TOTAL
[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
3,379	204,116	9	395,284	461,086	7,809,509	519,425	478,971	1,954,297	424,966	1,022,313	13,273,355	89,540,776
49,947	442,282	9,921	415,478	(75,363)	685,854	(32,200)	398,349	950,219	368,093	4,939,979	8,152,559	73,195,087
3,520	220,064	9	425,700	603,887	11,055,854	917,078	829,344	3,540,239	772,342	1,970,719	20,338,756	63,476,168
49,947	394,038	9,921	268,390	145,514	680,370	(33,662)	464,819	948,308	357,118	4,939,979	8,224,742	26,523,832
141	15,948	0	30,416	142,801	3,246,345	397,653	350,373	1,585,943	347,376	948,429	7,065,425	84,379,000
0	0	0	0	0	0	0	0	1	0	23	24	110,443,608
0	48,244	0	147,088	(220,877)	5,484	1,462	(66,470)	1,911	10,975	0	(72,183)	46,671,255
0	0	0	0	0	0	0	0	0	0	0	0	(37,276)
0	27,712	0	132	(53,752)	(386)	0	0	851	2,044	0	(23,399)	1,773,164
0	0	0	0	0	0	0	0	1	0	23	24	110,406,332
0	75,956	0	147,220	(274,629)	5,098	1,462	(66,470)	2,762	13,019	0	(95,582)	48,444,419
0	0	0	0	0	0	0	0	1	0	23	24	110,406,332
0	75,956	0	147,220	(274,629)	5,098	1,462	(66,470)	2,762	13,019	0	(95,582)	48,444,419
0	0	0	0	0	0	0	0	0	0	0	0	(15,294)
0	33,577	0	0	(8,438)	(35,703)	0	0	1,255	49	0	(9,260)	2,217,987
0	0	0	0	0	0	0	0	1	0	23	24	110,781,558
0	102,567	0	147,220	(283,067)	(30,605)	1,462	(66,470)	3,992	13,054	0	(111,837)	50,176,166
0	0	0	0	0	0	0	0	0	0	0	0	(390,520)
0	6,966	0	0	0	0	0	0	25	4	0	6,995	486,240
0	0	0	0	0	0	0	0	0	0	0	0	(390,520)
0	6,966	0	0	0	0	0	0	25	4	0	6,995	486,240
0	0	0	0	0	0	0	0	0	0	0	0	(11,761)
0	41,265	0	0	0	0	0	0	0	0	0	41,265	2,534,364
0	0	0	0	0	0	0	0	0	0	0	0	(403,536)
0	42,834	0	0	0	0	0	0	25	5	0	42,864	2,122,000
0	0	0	0	0	0	0	0	0	0	0	0	1,255
0	5,397	0	0	0	0	0	0	0	(1)	0	5,396	898,604
0	0	0	0	0	0	0	0	0	0	0	0	1,255
0	5,397	0	0	0	0	0	0	0	(1)	0	5,396	898,604
0	434	0	0	0	0	0	0	0	0	0	434	(93)
0	9,407	0	0	0	0	0	0	0	0	0	9,407	2,449,961
0	434	0	0	0	0	0	0	0	0	0	434	1,162
0	14,804	0	0	0	0	0	0	0	(1)	0	14,803	3,348,565
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
3,379	204,550	9	395,284	461,086	7,809,509	519,425	478,971	1,954,297	424,966	1,022,313	13,273,789	89,476,352
49,947	554,243	9,921	415,610	(137,553)	649,765	(32,200)	398,349	952,325	370,186	4,939,979	8,170,572	82,170,563
53,326	758,793	9,930	810,894	323,533	8,459,274	487,225	877,320	2,906,622	795,152	5,962,292	21,444,361	171,646,915
3,520	220,498	9	425,700	603,887	11,055,854	917,078	829,344	3,540,240	772,342	1,970,742	20,339,214	173,855,352
49,947	554,243	9,921	415,610	(137,553)	649,765	(32,200)	398,349	952,325	370,186	4,939,979	8,170,572	82,170,563
53,467	774,741	9,930	841,310	466,334	11,705,619	884,878	1,227,693	4,492,565	1,142,528	6,910,721	28,509,786	256,025,915
141	15,948	0	30,416	142,801	3,246,345	397,653	350,373	1,585,943	347,376	948,429	7,065,425	84,379,000

for capital expenditures reported herein, and \$17,204,000 for operating costs. AB1442 also provides for continued reimbursement of annual expenditures subsequent to June 30, 1988 with approval by the Legislature of the Department's cost allocations.

f) Costs previously reported are as shown in Table 1 (pages 8 and 9) of Appendix D to Bulletin 132-93. Such costs were based on DWR's accounting records as of December 31, 1992.

g) Reasons for cost changes are outlined below:

- Additional disbursements during 1993 for recreation lands and for joint capital costs allocated to recreation and enhancement: \$2,450,000
- Reclassification of control system costs from operations and maintenance to capital costs and adjustment of historical costs for Frenchman Dam & Lake: (\$6,000)
- Reclassification of control system costs from operations and maintenance to capital costs, adjustment of historical costs and prior year expenditures for Antelope Dam & Lake: (\$3,000)
- Reclassification of control system costs from operations

and maintenance to capital costs, adjustment of historical costs and prior year expenditures for Grizzly Valley Dam and Lake Davis: (\$3,000)

- Reclassification of control system costs from operations and maintenance to capital costs and adjustment of historical costs for Oroville Division: \$206,000
- Reclassification of control system costs from operations and maintenance to capital costs and adjustment of historical costs for Del Valle Dam and Lake: \$81,000
- Reclassification of control system costs from operations and maintenance to capital costs, adjustment of historical costs and new allocation of replacement costs for Delta to O'Neill Forebay: \$84,000
- Reclassification of control system costs from operations and maintenance to capital costs, adjustment of historical costs and new allocation of replacement costs for O'Neill Forebay to San Luis Reservoir: \$27,000
- Reclassification of control system costs from operations and maintenance to capital costs, adjustment of historical costs and new allocation of replacement costs for Dos Amigos to Termini: \$514,000

TOTAL CHANGE: \$3,350,000

## Summary of Allocation Percentages

Each year the Department determines water contractor charges for the SWP based on allocations of costs among purposes of facilities used for more than a single purpose. These determinations are based on

the percentages previously reported to and approved by the Legislature, as well as preliminary estimates for facilities not yet reported. These percentages are summarized in the following table:

(in percent of joint costs of the respective facilities)

Facilities of the State Water Project	Capital Costs of Features Jointly Used			
	Reimbursable Purposes	Nonreimbursable Purposes		Total
	Water Supply and Power Generation	Flood Control	Recreation and Fish and Wildlife Enhancement	
<b>Project Conservation Facilities</b>				
Frenchman Dam and Lake	21.5	0	78.5	100.0
Antelope Dam and Lake	0	0	100.0	100.0
Grizzly Valley Dam and Lake Davis	1.0	0	99.0	100.0
Oroville Division (a)	97.1	0	2.9	100.0
California Aqueduct, Delta to Dos Amigos Pumping Plant	96.6	0	3.4	100.0
Delta Facilities (b)	86.0	0	14.0	100.0
<b>Project Transportation Facilities</b>				
Grizzly Valley Pipeline	100.0	0	0	100.0
North Bay Aqueduct	100.0	0	0	100.0
South Bay Aqueduct:				
Del Valle Dam and Lake Del Valle	25.2	26.8	48.0	100.0
Remainder of South Bay Aqueduct	100.0	0	0	100.0
California Aqueduct, Delta to Dos Amigos Pumping Plant	96.6	0	3.4	100.0
California Aqueduct, Dos Amigos Pumping Plant to Termini excluding the Coastal Branch	94.3	0	5.7	100.0
Coastal Branch	100.0	0	0	100.0
a) Percentages are applicable to Capital Costs of Features Jointly Used, minus Federal Flood Control Payments. b) Illustrative percentages only, assumed for current project financial and repayment analyses.  Note: Percentages shown are those applicable to the costs of the facilities as accounted by the State, or, in the case of Federal-State joint-use- facilities (San Luis Facilities), only the State's share of the total cost.				





Comments by  
The Department of Boating and Waterways  
The Department of Fish and Game  
and  
The Department of Parks and Recreation

## Memorandum

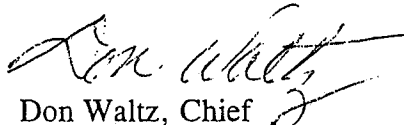
Date : June 21, 1996

To : David N. Kennedy  
Director  
Department of Water Resources  
1416 Ninth Street  
Sacramento, California 95814

From : **Department of Boating and Waterways**

Subject : Appendix D, Costs of Recreation and Fish and Wildlife Enhancement, to  
Bulletin 132-94

In accordance with Section 11912 of the California Water Code, the Department of Boating and Waterways has reviewed a draft of Appendix D to Bulletin 132-94 and we have no comment.

  
Don Waltz, Chief  
Boating Facilities Division

# Memorandum

To : Mr. David N. Kennedy, Director  
Department of Water Resources  
1416 Ninth Street  
Sacramento, California 95814

Date : September 7, 1995

From : Department of Fish and Game

Subject: Data for Bulletin 132-94, Appendix D

The Department of Fish and Game has reviewed the draft Appendix D to Bulletin 132-94 - "Costs of Recreation and Fish and Wildlife Enhancement" and finds that we have no comments.

If you have any questions, please contact Mr. John Turner, Chief, Environmental Services Division, Department of Fish and Game, 1416 Ninth Street, Sacramento, California 95814, telephone (916) 653-4875.



C. F. Raysbrook  
Interim Director

Attachment

cc: Mr. John Turner  
Department of Fish and Game  
Sacramento

## Memorandum

Date : June 26, 1996

To : A-36  
David N. Kennedy, Director  
Department of Water Resources  
1416 9th Street, Room 1115-1  
Sacramento, California 95814

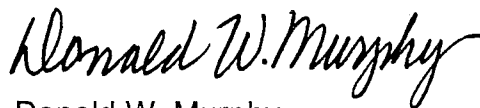
From : Department of Parks and Recreation  
Director's Office

Subject: Cost Allocation to Recreation and Fish and Wildlife Enhancement  
State Water Project

The Department of Parks and Recreation (DPR) has received the draft to appendix D, "Cost of Recreation and Fish Wildlife Enhancement," to your Bulletin 132-94, "Management of the California State Water Project."

The DPR in accordance with California Water Code Section 11912, has reviewed the draft of the report and concludes that since the report contains data from other state departments, it would be difficult to verify our cost allocations.

The DPR will assume the figures to be correct and has no further comments.



Donald W. Murphy  
Director



